AMENDMENTS TO THE CLAIMS

This listing of claims will replace all prior versions and listings of claims in the application:

LISTING OF CLAIMS:

1. (Currently Amended) A lens system comprising:

a positive <u>component</u>element, positioned in an optical path of incident light, <u>comprising</u> including a first negative lens, a <u>double-convex</u> lens and a <u>holographic hologram</u> optical element, <u>respectively</u>; and

a <u>second</u> negative <u>lens</u> <u>element</u>, positioned in the optical path, <u>including a second</u> negative lens.

- 2. (Currently Amended) The lens system of claim 1, wherein the holographic hologram optical element is disposed formed on at least one surface of the first negative lens and the double-convex lens comprising constituting the positive component element.
- 3. (Original) The lens system of claim 1, wherein the first negative lens is made of polycarbonate.
- 4. (Currently Amended) The lens system of claim 1, wherein the first negative lens has a magnifying focal-power ranging from 0.1 to 0.2.

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- 5. (Original) The lens system of claim 1, wherein the second negative lens is made of polystyrene.
- 6. (Currently Amended) The lens system of claim 1, wherein the second negative lens has a magnifying focal power ranging from 0.5 to 0.7.
- 7. (Currently Amended) The lens system of claim 1, wherein at least one of the first negative lens, the <u>double-convex</u> lens and the second negative lens has at least one aspheric surface.
 - 8. (Currently Amended) A lens system comprising:
- a positive <u>componentelement</u>, positioned in an optical path of incident light, <u>comprising</u> including a positive lens, a <u>double-convex</u> lens and a <u>holographic hologram</u> optical element, <u>respectively</u>; and

a negative <u>lens</u> element, positioned in the optical path, including a negative lens.

9. (Currently Amended) The lens system of claim 8, wherein the <u>holographic hologram</u> optical element is <u>disposed formed</u> on at least one surface of the positive lens and the <u>double-convex lens comprising constituting</u> the positive <u>component element</u>.

- 10. (Currently Amended) The lens system of claim 8, wherein the positive lens in the form of a meniscus is made of acryl material.
- 11. (Original) The lens system of claim 8, wherein the positive lens is positioned at a distance of 0.15 to 0.25 times a focal length of the lens system from an object imaged by said lens system.
- 12. (Original) The lens system of claim 8, wherein the negative lens is made of polystyrene.
- 13. (Currently Amended) The lens system of claim 8, wherein the negative lens has a magnifying focal power ranging from 0.2 to 0.3.
- 14. (*Currently Amended*) The lens system of claim 8, further comprising an auxiliary element, which is a double-convex lens, positioned in <u>the an-optical</u> path between the positive component element and the negative lenselement.
- 15. (Currently Amended) The lens system of claim 14, wherein the auxiliary element is made of acryl material.

16. (Currently Amended) The lens system of claim 8, wherein the holographic hologram optical element has a magnifying focal power ranging from 0.01 to 0.1.

17. (Currently Amended) The lens system of claim 8, wherein the <u>holographic hologram</u> optical element has a phase profile V_H defined by the following equation:

$$V_H = A_1 y^2 + A_2 y^4 + A_3 y^6$$

where A_1 is a coefficient that is proportional to a <u>magnifying focal-power</u> of the <u>holographic hologram-optical</u> element, A_2 is a coefficient that is proportional to spherical aberration caused by the positive <u>component element</u>, A_3 is a coefficient that is proportional to spherical aberration caused by the negative <u>lens element</u>, and y is the distance from an optical axis of the lens system measured at right angle to the optical axis.

- 18. (Currently Amended) The lens system of claim 8, wherein the convex lens is a double-convex lens and is made of acryl material.
- 19. (Currently Amended) The lens system of claim 8, wherein the double-convex lens has a magnifying focal-power ranging from 0.35 to 0.4.

20. (Currently Amended) An objective lens system for imaging a light from an object, the objective lens system comprising:

a lens system comprisingineluding:

a positive <u>component</u>element, positioned in an optical path of the light from the object, <u>comprising including</u> a first negative lens, a <u>double-convex</u> lens and a <u>holographic</u> hologram optical element, <u>respectively</u>; and

a <u>second</u> negative <u>lens</u> element, positioned in the optical path after the positive component, including a second negative lens.

21. (Currently Amended) An objective lens system for imaging a light from an object, the objective lens system comprising:

a lens system comprisingincluding:

a positive <u>component</u>element, positioned in an optical path of the light, <u>comprising including</u> a positive lens, a <u>double</u>-convex lens and a <u>holographic hologram</u> optical element, respectively; and

a negative <u>lens</u> element, positioned in the optical path after the positive component, including a negative lens.

22. (Currently Amended) An optical projection system for projecting a light emitted from an optical light source on a screen, the optical projection system comprising:

a lens system comprisingineluding:

a positive <u>component</u>element, positioned in an optical path of the light, <u>comprising including</u> a first negative lens, a <u>double</u>-convex lens and a <u>holographic hologram</u> optical element; and

a <u>second</u> negative <u>lens</u> element, positioned in the optical path before the positive <u>component element, including a second negative lens</u>; and

a coupler configured to connect the optical light source to the lens system.

23. (Currently Amended) An optical projection system for projecting a light emitted from an optical light source on a screen, the optical projection system comprising:

a lens system comprisingineluding:

a positive <u>component</u>element, positioned in an optical path of the light,

<u>comprising including</u> a positive lens, a <u>double-convex</u> lens and a <u>holographic hologram-optical</u>

element; and

a negative <u>lens</u> element, positioned in the optical path before the positive componentelement, including a negative lens; and

a coupler configured to connect the optical light source to the lens system.